Table C11. Percentage recoveries of the surrogate internal standard, o-terphenyl from the mussel quality control samples.[1]

Sample ID	Location	Batch No	Percentage Recovery
Samples for Method Detection Limit (MDL) Analysis[2]			
297031717	Sandy Hook Bay	2	111
297031718	Sandy Hook Bay	2	107
297031719	Sandy Hook Bay	2	115
297031720	Sandy Hook Bay	2	115
297031721	Sandy Hook Bay	2	117
297031722	Sandy Hook Bay	2	116
297031723	Sandy Hook Bay	2	116
Samples Spiked with Analytes[3]			
197020431 [3A]	-	1	112
297031709 [3B]	Sandy Hook Bay	2	148
497051416 [3C]	Sandy Hook Bay	3	37.7
Sample Used to Measure Analyte Background in MDL and Matrix Spike Samples in Batch[4]			
297031724	Sandy Hook Bay	2	22.9
Standard Reference Material (SRM) Samples[5]			
197020430	-	1	108
297031707	-	2	112
Sample for Replicate Analysis[6]			
197020427	Mill Creek	1	118
197020428	Mill Creek	1	123
197020429	Mill Creek	1	136
Method Blank Samples			
197020432	-	1	52.0
297031708	-	2	87.1
497051408	-	3	99.8

[1] The values of the recoveries for the surrogate internal standards were determined using internal standard calculations.

[2] These samples were prepared from a depurated ribbed mussel homogenate prepared from 12 ribbed mussels collected from Sandy Hook. Each sample was spiked with 40 μg of each individual hydrocarbon.

[3] The tissue matrix and the spiking amount for these samples are:

3A: NIST SRM1974a (Organics in Mussel Tissue) spiked with 25 μg of each hydrocarbon.

3B: The same mussel homogenate from Sandy Hook Bay used for the MDL analysis spiked with 1000 μg Restek No 2 Diesel fuel oil.

3C: The same mussel homogenate from Sandy Hook Bay used for the MDL analysis spiked with 25 μg of each individual hydrocarbon.

[4] The depurated mussel homogenate from Sandy Hook Bay used for the MDL analysis was used to measure the analyte background for the MDL and matrix spike analysis.

[5] The Standard Reference Material (SRM) used was NIST SRM1974a (Organics in Mussel Tissue).

[6] The tissue matrix for these replicate samples came from a large ribbed mussel found at Mill Creek Marsh during the September 1996 collection. Since the length of this mussel was longer (100.5 mm) and heavier (35.2 g) than any mussel collected, it provided enough material for the replicate analysis. However, the analysis results will only be used for quality control purposes, since the length for this mussel exceeds the length criteria of 54 to 75 mm used for choosing mussels for this study.